

Title (en)

Apparatus and method for repairing welded elbow joints in a core spray line

Title (de)

Vorrichtung und Verfahren zur Reparatur von geschweißten Kniestücken in einer Kerneinspritzlinie

Title (fr)

Appareil et procédé de réparer des raccords soudés de tuyau dans une ligne de pulvérisation à eau

Publication

EP 2154413 B1 20120516 (EN)

Application

EP 09167141 A 20090804

Priority

US 22242508 A 20080808

Abstract (en)

[origin: US7617963B1] A clamp assembly is disclosed that can be remotely installed to structurally replace the P4a and P4b welds that join a short radius elbow to the core spray horizontal pipe and the vertical downcomer pipe in the core spray line that delivers cooling water to the reactor core region in a boiling water reactor. The clamp assembly includes three subassemblies, a horizontal pipe clamp subassembly, an elbow restraint subassembly, and a downcomer pipe subassembly.

IPC 8 full level

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CPC (source: EP US)

F16L 3/1226 (2013.01 - EP US); **F16L 13/06** (2013.01 - EP US); **F16L 43/02** (2013.01 - EP US); **F16L 55/172** (2013.01 - EP US); **F16L 55/179** (2013.01 - EP US); **G21C 17/017** (2013.01 - EP US)

Cited by

CN104827183A; CN104308382A; US9927047B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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